

Supplemental Amendment dated August 7, 2003
USSN: 09/350,202

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-49. (Canceled)

D1

Claim 50. (Currently Amended): A method for inducing *ex vivo* proliferation of a population of T cells, comprising:

contacting a population of T cells *ex vivo* with a solid phase surface having covalently attached thereto:

(a) ~~a first agent~~ an anti-CD3 antibody or fragment thereof, which provides a primary activation signal in the T cells, thereby activating the T cells and

(b) ~~a second agent~~ an anti-CD28 antibody or fragment thereof, ~~which~~ that stimulates an a CD28 accessory molecule on the surface of the T cells, thereby stimulating the activated T cells, wherein ~~the first agent and second agent~~ the anti-CD3 antibody or fragment thereof and the anti-CD28 antibody or fragment thereof are covalently attached to the same solid phase surface, ~~the first agent and second agents~~ the anti-CD3 antibody or fragment thereof and the anti-CD28 antibody or fragment thereof thereby inducing the population of T cells to proliferate.

Claims 51-52. (Cancelled)

Claim 53. (Currently Amended): The method of ~~claim 52~~ claim 50, wherein the anti-CD3 antibody is an anti-human CD3 monoclonal antibody.

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Claims 54-56. (Cancelled)

Claim 57. (Currently Amended): The method of claim 50, further comprising:

monitoring proliferation of the T cells; and

reactivating and re-stimulating the T cells with the ~~first agent and second agents~~ the anti-CD3 antibody or fragment thereof and the anti-CD28 antibody or fragment thereof when the rate of T cell proliferation has decreased to induce further proliferation of the T cells.

D1

Claim 58. (Previously Presented): The method of claim 57, wherein the step of monitoring proliferation of the T cells is by examining cells size or determining the level of expression of a cell surface molecule, and the step of reactivating and restimulating is initiated when T cell size has decreased or when the level of the cell surface molecule has decreased.

Concl.

Claim 59. (Cancelled)
